

WEEKLY CROP-WEATHER

Released: April 30, 2001  
Issue No. CW-17-01

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MINNESOTA AGRICULTURAL STATISTICS SERVICE IN COOPERATION WITH THE NATIONAL WEATHER SERVICE  
TWIN CITIES INT'L AIRPORT, UNIV. OF MINN. EXTENSION SERVICE, AND STATE CLIMATOLOGY, DNR

WEATHER DELAYS SPRING FIELDWORK

Cool, wet weather conditions this past week delayed spring fieldwork, according to the Minnesota Agricultural Statistics Service. The beginning of the week had a low of 25 degrees with snow in northern Minnesota and rain in the central and southern portions. Bemidji received a record snowfall for April 23<sup>rd</sup> of 12 inches. The week ended with a high of 90 degrees in Canby.

It has been the second wettest April in history. Topsoil moisture conditions across the state as of April 27<sup>th</sup> were rated 33% adequate and 67% surplus. Current subsoil moisture conditions were rated 1% short, 44% adequate, and 55% surplus. In addition to the surplus water in fields, rivers in central and southeastern Minnesota will crest again due to the snow and rain received this week. In addition to fieldwork being delayed, it has been a tough spring for calving.

In well drained soils, soil temperatures rose quickly during the end of the week and over the weekend, which allowed farmers to start field preparation and limited planting. Full-scale fieldwork across the state is expected to begin May 4<sup>th</sup>, weather permitting. Planting is expected to go at a very rapid pace this year.

An estimated 4% of the oat acreage has been planted as of Sunday, compared to 70% a year ago, and 46% for the 5-year average. Spring wheat and barley are both 1% planted. The 5-year average for spring wheat is 28%; the 5-year average for barley is 24%.

Corn ground preparation has just begun at 3%, compared to 79% a year ago, and 48% for the 5-year average. There has been a few fields of corn planted in the State.

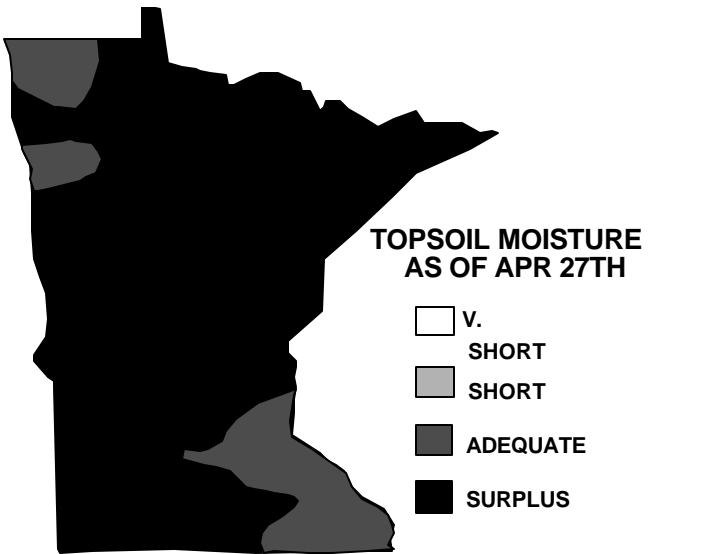
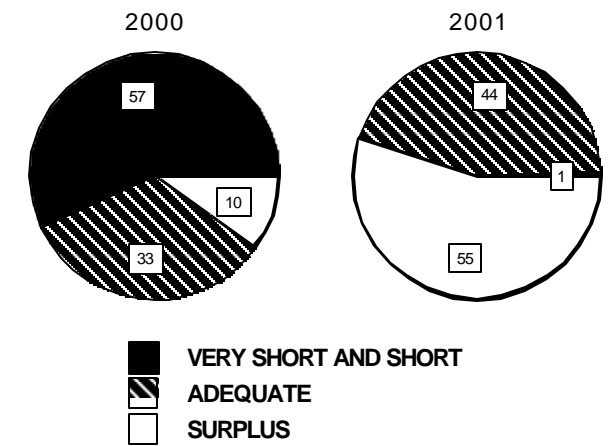
Days Suitable for Fieldwork: 1.0									
		Very Short	Short	Ade-quate	Surplus				
Topsoil Moisture (%)		0	0	33	67				
Subsoil Moisture (%)		0	1	44	55				
Crop Progress as of April 29, 2001									
Crop	Stage of Development	5 Yr Avg	Last Year	Last Week	This Week				
-----Percent-----									
Corn	Land Prepared	48	79	NA	3				
Soybeans	Land Prepared	15	31	NA	1				
Spring Wheat	Planted	28	55	NA	1				
Oats	Planted	46	70	NA	4				
Barley	Planted	24	52	NA	1				
Green Peas	Planted	28	46	NA	3				
Sugarbeets	Planted	42	76	NA	1				
Fertilizer Supplies as of April 29, 2001									
Percentage of normal nitrogen fertilizer supplies (%)					94				
Approximate Date to Begin Full-Scale Fieldwork									
Begin Date	State	NW	NC	WC	CENT	EC	SW	SC	SE
	May 4	May 8	May 9	May 3	April 30	May 2	May 9	May 4	April 30

Soybean ground preparation is at 1%, compared to 31% a year ago. Green peas are at 3% planted, compared to 46% a year ago. Sugarbeet planting is at 1%, compared to last year's 76%.

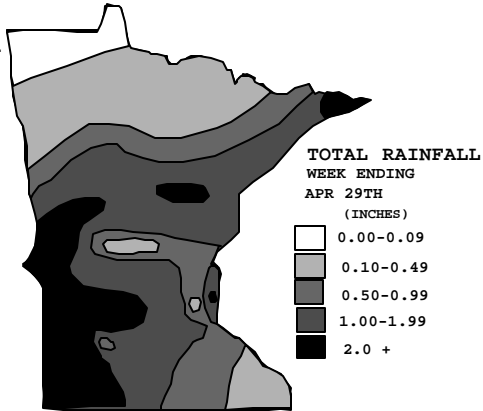
Over the weekend, high winds and warm temperatures created conditions suitable for wildfires. There were more than 140 wildfires throughout the state. In the north central part of the state, nearly 13,000 acres burned.

Nitrogen fertilizer supplies are available 94% of normal, but expensive.

SUBSOIL MOISTURE - BEGINNING OF 2000 AND 2001



PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING APRIL 29, 2001:  
Temperatures averaged from 3.5 degrees above normal in the Central District to 6.7 degrees above normal in the Southeast District. Extremes: 25° in Hibbing, Intl Falls; 90° in Canby. Precipitation averaged from 0.19 inch below normal in the Northwest District to 2.02 inches above normal in the Southwest District. Greatest weekly total was 4.90 inches.



Precipitation and Temperature Summary for 04/23/2001 through 04/29/2001

	Temperature				Precipitation			
	High	Low	Week Ave	Depart from Norm	Week Total	Depart From Norm	Past Four Weeks	Since 4/1
<u>NW DIST 1</u>								
Crookston	76	31	52.4	5.8	.30	-.10	.32	.29
Moorhead	85	32	56.6	8.1	.38	-.10	1.04	.99
Warroad	77	30	48.4	5.8	0	-.38	1.41	1.41
<u>NC DIST 2</u>								
Grand Rapids	82	30	54.1	8.6	.27	-.28	2.23	2.18
Intl. Falls	82	25	49.8	5.6	.29	-.12	1.88	1.84
Itasca	76	28	46.0	1.8	1.33	.78	1.28	1.22
<u>NE DIST 3</u>								
Duluth	80	28	48.2	4.9	1.18	.63	5.67	5.62
Grand Marais	72	30	44.4	2.2	2.50	2.01	5.60	5.54
Hibbing	80	25	48.0	4.2	.41	-.03	1.21m	1.17m
<u>WC DIST 4</u>								
Alexandria	82	31	55.6	7.4	.26	-.29	3.00	2.94
Browns Valley	86	29	50.4	2.2	2.00	1.47	3.55	3.49
Canby	90	32	54.4	4.4	2.33	1.75	5.96	5.89
Fergus Falls	80	29	51.8	4.3	3.00	2.47	3.46	3.41
Montevideo	85	31	53.2	3.0	2.50	1.89	4.08	4.02
Morris	82	32	52.4	4.1	1.77	1.21	3.44	3.38
<u>CENT DIST 5</u>								
Becker	75	33	49.4	.8	1.98	1.36	4.73	4.93
Hutchinson	80	34	54.2	4.1	2.96	2.37	4.22	4.15
Olivia	81	32	52.4	2.4	3.47	2.84	4.32	4.25
St. Cloud	84	31	56.0	7.5	.32	-.27	5.79	5.72
Staples	75	29	50.3	3.5	1.72	1.15	3.07	3.01
Willmar	79	32	52.4	2.9	3.37	2.75	4.47	4.40
<u>EC DIST 6</u>								
Aitkin	78	30	52.6	6.2	3.00	2.44	3.81	3.74
Cambridge	81	32	54.4	5.3	.88	.30	6.54	6.49
MSP Airport	84	33	58.0	6.9	.10	-.51	4.63	4.56
St. Paul - UofM	83	35	58.0	5.2	2.21	1.55	5.12	5.05
<u>SW DIST 7</u>								
Lamberton	84	32	51.8	1.6	4.90	4.21	5.54	5.47
Pipestone	86	29	54.2	4.8	3.33	2.72	4.27	4.20
Redwood Falls	84	32	58.0	5.9	.95	.29	4.82	4.75
Worthington	84	31	53.8	4.4	3.65	2.99	5.10	5.01
<u>SC DIST 8</u>								
Faribault	78	32	54.6	4.7	.98	.23	3.22	3.14
Waseca	78	33	56.8	7.2	.82	.08	1.66	1.57
Winnebago	81	32	55.2	5.5	1.86	1.14	2.92	2.84
<u>SE DIST 9</u>								
Preston	79	34	55.7	6.6	.32	-.41	2.61	2.62
Red Wing	74	36	54.8	7.1	.98	.20	2.12	2.19
Rochester	80	34	57.2	7.7	.20	-.50	4.54	4.46
Rosemount	79	33	54.2	5.3	1.56	.82	2.99	2.91
Winona	76	40	57.0	7.1	.37	-.38	1.77	1.94

m=some data missing

The MINNESOTA CROP-WEATHER REPORT (USPS-387190) is published weekly in April through November (crop season). Subscription rates are \$15.00 per year for non-reporters and free to survey respondents by the Minnesota Agricultural Statistics Service, P O Box 7068, St. Paul, MN 55107. Periodicals postage paid at St. Paul, Minnesota and other mailing offices. Postmaster: Send address changes to the MINNESOTA CROP-WEATHER REPORT, P O Box 7068, St. Paul, MN 55107.

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MINNESOTA AGRICULTURAL STATISTICS SERVICE  
PO Box 7068, ST. PAUL MN 55107  
WEEKLY NEWS REPORT  
Minnesota Crop-Weather Report  
Publication No. 387190  
Address Service Requested